Please type a	plus sign (+) inside this box	→	+
---------------	-------------------------------	----------	---

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERC Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	work Reduction Act of 19 tute for form 1449A/PTC		o persons are required to re		unless it contains a valid OMB control number. omplete if Known
				Application Number	
INF	ORMATION	DIS	CLOSURE	Filing Date	·
STA	ATEMENT B'	YA	PPLICANT	First Named Inventor	O. Efimov
				Group Art Unit	
	(use as many shee	ts as	necessary)	Examiner Name	·
Sheet	1	of	2	Attomey Docket Number	PD03W152

				U.S. PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1		U.S. Patent Number	Code ² (If known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NO		5,729,380		Betin et al.	03/17/1998		
NOS		4,194,168		Jarrett et al.	03/18/1980		
Maj		4,195,908		Kestigian et al.	04/01/1980		
1411		4,219,275		R. D. Henry	08/26/1980		
na	East	6,278,547		A. A. Betin	08/21/2001		
				•			
						·	
				· · · · · · · · · · · · · · · · · · ·			
				•	-	· · · · · · · · · · · · · · · · · · ·	
					 		
						•	

	FOREIGN PATENT DOCUMENTS									
i	Cite No.1	Foreign Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines,			
Examiner Initials*		Office ³	Number ⁴	Kind Code ⁵ (# known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Τ°		
						,		1		
						<u> </u>				
	_							L		
								Щ.		
								\perp		
										
							·	Ц.		
i		1 1		1 1				1		

Examiner Signature R.Q S.L.	Date Considered 9	05/204
-----------------------------	----------------------	--------

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box 🔑	+	ı
---	---	---

PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

der the Paper	work Reduction	on Act of 1995	, no persons are required to	respond to a collection of informatio	n unless it contains a valid OMB control number.	
Substitu	ute for form 14	49B/PTO		Complete if Known		
l				Application Number		
INF	ORMA	FION D	ISCLOSURE	Filing Date		
STA	TEME	NT BY	APPLICANT	First Named Inventor	O. Efimov	
"			, 	Group Art Unit		
	(use as	many sheet:	s as necessary)	Examiner Name		
Sheet	2	of-	2	Attorney Docket Number	PD03W152	

	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS									
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²							
. 05		A. A. Betin, S. C. Matthews, and M. S. Mangir, "Phase Conjugation of Depolarized Light with a Lo								
pos		Loop PC", Nonlinear Optics: Materials, Fundamentals, and Applications Conference, Kauai, Hawai								
		July 1998, PP 288-290								
M		G. E. Lano and C. Pinyan "Optical isolators direct light the right way," Laser Focus World, July 1995, p.125 to 127								
. 01		J. Poirson et al "Internal reflections of the Gaussian beams in Faraday isolators," Applied								
LOS		Optics, June 1997, Vol.36, No. 18, p.4123 to 4130.								
		"Optical fiber amplifiers: materials, devices, and applications," S. Sudo, editor, Artech								
rns		House Inc., 1999, page 420								
l										

1	Examiner Signature	R D S L L	Date Considered	9/10	12004
1	Signature	17. y. 2 x y		1707	, , c ,

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.